

ABSTRACT OF THE INVENTION

The present invention is a crown-stiffening underlay structure comprised of a flat strip of elastomeric material reinforced with essentially inextensible cords. The cord-reinforced flat strip is wrapped helically around the green tire carcass prior to blowup into the characteristic toroidal shape of a tire carcass. In one embodiment, the underlay structure is disposed between breakers and the radial ply structure. In another embodiment, the underlay is disposed between the radial ply structure and the innerliner. In another embodiment, the afore described underlay structure has an additional and structurally contiguous beam made of elastomeric material.

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